



Philips
widescreen flat TV

50"

plasma Progressive Scan

50PF9956



Superior picture quality

of latest Plasma in a stunning design

The ultimate Flat TV that offers Digital Natural Motion Picture Quality with latest HD Plasma technology, packed in a stunning design that enhances your interior. This Flat TV is the ideal centerpiece for any Home Entertainment set up.

Enhanced video performance

- Digital Natural Motion for smooth moving images
- Progressive Scan component video for optimized image quality
- 3D combfilter separates colors for a razor-sharp image
- Active Control with Light Sensor optimizes picture quality

Impressive sound

- Virtual Dolby Surround for a cinema-like audio experience

Connects to your premium audio/video products

- HDMI input for full digital HD connection in one cable

PHILIPS

sense and simplicity

Specifications

Picture/Display

- **Aspect ratio:** 16:9
- **Brightness:** 900 cd/m²
- **Contrast ratio (typical):** 1000:1
- **Diagonal screen size:** 50 inch / 127 cm
- **Display screen type:** Plasma HD panel
- **Picture enhancement:** Digital Crystal Clear, Progressive Scan, 3D Combfilter, Active Control + Light sensor, Digital Natural Motion, Jagged Line Suppression, Movie Plus, Widescreen Plus
- **Screen enhancement:** Anti ageing circuit, Anti-Reflection coated screen
- **Viewing angle (h / v):** 160 / 160 degree
- **Panel resolution:** 1366 x 768p

Supported Display Resolution

Computer formats	
Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
Video Formats	
Resolution	Refresh rate
640 x 480i	1Fh
640 x 480p	2Fh
720 x 576i	1Fh
720 x 576p	2Fh
1280 x 720p	3Fh
1920 x 1080i	2Fh

Sound

- **Sound Enhancement:** Auto Volume Leveller, Digital Signal Processing, Dynamic Bass Enhancement, Graphic Equaliser, Smart Sound
- **Sound System:** Virtual Dolby Surround
- **Output power (RMS):** 2x15W

Loudspeakers

- **Built-in speakers:** 4
- **Loudspeaker types:** Dome tweeter, Integrated woofers with wOOx

Convenience

- **Ease of Installation:** Automatic Tuning System (ATS), PLL Digital Tuning, Plug & Play

- **Ease of Use:** 9-channel smart surf list, Backlighting side controls, Channel list, Delta Volume per preset, Smart Picture Control, Smart Sound Control
- **Remote control type:** RC4306
- **Teletext:** Closed Captioning Full Text
- **Remote Control:** Universal
- **Remote control:** TV, VCR, DVD/R, SAT, CBL, AMP
- **Screen Format Adjustments:** 6 Widescreen Modes, Auto Format, Subtitle and Heading Shift
- **Clock:** Smart Clock
- **Child Protection:** Child Lock+Parental Control

Tuner/Reception/Transmission

- **TV system:** NTSC
- **Video Playback:** NTSC
- **Aerial Input:** 75 ohm F-type

Connectivity

- **Other connections:** Analog audio Left/Right out, Centre Speaker connection in, Monitor out, CVBS, L/R (cinch), Subwoofer out
- **AV 1:** (1, 2, 3Fh autoranging), Audio L/R in, Component Video in, Y/C, YPbPr
- **AV 2:** (1, 2, 3Fh autoranging), Audio L/R in, Component Video in, CVBS, RGB+H/V, Y/C, YPbPr
- **AV 3:** Audio L/R in, HDCP, HDMI (Digital Stream & S/PDIF)

Power

- **Power consumption:** 406 W
- **Standby power consumption:** 0.6
- **Mains power:** AC 110-120V (+/- 10%)
- **Ambient temperature:** +5 -/+ 40 C

Dimensions

- **Product weight:** 58 kg
- **Weight incl. Packaging:** 70 kg
- **Color cabinet:** Pearl White Sliver 11092

Accessories

- **Included Accessories:** HDMI-DVI adapter cable, Table top stand, Wall mounting bracket

Product highlights

Digital Natural Motion

Philips invented Digital Natural Motion to eliminate juddering effects that are visible with moving picture content. Digital Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level.

Progressive Scan

Progressive Scan doubles the vertical resolution of the image resulting in a noticeably sharper picture. Instead of sending a field comprising the odd lines to the screen first, followed by the field with the even lines, both fields are written at one time. A full image is created instantaneously, using the maximum resolution. At such a speed, your eye perceives a sharper picture with no line structure.

3D Combfilter

The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

Active Control + Light Sensor

Active Control is a unique and intelligent way of optimizing picture quality by measuring and analyzing the incoming signal to automatically adjust picture quality settings. Active Control with Light Sensor uses a sensor to adjust the picture brightness depending on the room light conditions.

Virtual Dolby Surround

Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.

HDMI input

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.

